



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Shinya HIROTA et al.

Group Art Unit: 3748

Application No.: 10/088,476

Examiner: T. Nguyen

Filed: March 20, 2002

Docket No.: 112340

For: EXHAUST GAS PURIFICATION DEVICE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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TECHNOLOGY CENTER R3700


Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection, Notice of Allowance, or other action that closes prosecution (e.g., Quayle Action), but before payment of the Issue Fee. Attached is our Check No. 152114 in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please credit or debit Deposit Account No. 15-0461 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☒ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
37 CFR §1.97(e)(1).
- ☒ 2. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement.
- ☒ 3. English-language Abstracts of the non-English language references are attached hereto. See References 1, 2, 3, 4, 5 and 6.

- ☒ 4. A computer-generated English translation of the following Japanese Patent Publication has been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and is attached, but has not been reviewed for accuracy. See Reference 2.
- ☒ 5. JP 6-272541 and JP 6-159037 are not included as they were submitted with the Information Disclosure Statement filed April 3, 2002.

Respectfully submitted,



James A. Oliff
Registration No. 27,075

Seth S. Kim
Registration No. 54,577

JAO:SSK/jfb

Date: March 22, 2004

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>
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Information List

US Serial No.	10/088476
Our ref:	TYT-J759-US

The following is a List of References cited in Office Action issued for corresponding Japanese Application.

Document Number	Publication Date	Brief Explanation or Page(s) & Line(s) of Related Part(s)
Japanese Unexamined Patent Publication (Kokai) No. 58-222907	Dec. 24, '83	A method is disclosed for making the amount of the exhaust gas flowing into a particulate filter small, when the temperature of the particulate filter becomes larger than a predetermined temperature.
Japanese Unexamined Utility Model Publication (Kokai) No. 01-174510	Dec. 12, '89	A method is disclosed for making the amount of the exhaust gas flowing into a particulate filter small, when the temperature of the particulate filter becomes larger than a predetermined temperature.
Japanese Unexamined Patent Publication (Kokai) No. 59-20510	Feb. 2, '84	From line 16 in the right column on page 1 to line 9 in the upper-left column on page 2 and from line 14 to line 16 in the upper-right column on page 2, it is disclosed that a cooling effect is obtained by increasing the amount of the exhaust gas.
Japanese Unexamined Patent Publication (Kokai) No. 06-272541	Sep. 27, '94	In paragraphs 0013 and 0015, a particulate filter is disclosed, which comprises an agent for absorbing NOx therein and emitting NOx therefrom, and a method

A. AOKI, ISHIDA & ASSOCIATES

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US Serial No.	10/088476
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Document Number	Publication Date	Brief Explanation or Page(s) & Line(s) of Related Part(s)
Japanese Unexamined Utility Model Publication (Kokai) No. 60-45815	Mar. 30, '85	is disclosed for emitting sulfurate component attached to the particulate filter by making air-fuel-ratio rich. On page 1 from line 1 to line 6 and on page 11 from line 5 to line 10, a method is disclosed, for making the amount of the exhaust gas flowing into a particulate filter smaller than a predetermined amount, when the temperature of the particulate filter is large and the concentration of oxygen in the exhaust gas is large.
Japanese Unexamined Patent Publication (Kokai) No. 60-206925	Oct. 18, '85	From line 17 in the left column on page 1 to line 4 in the right column on page 1, and from line 17 in the upper-left column on page 2 to line 4 in the upper-right column on page 2, a method is disclosed, for making the amount of the exhaust gas flowing into a particulate filter smaller than a predetermined amount, when the temperature of the particulate filter is large and the concentration of oxygen in the exhaust gas is large.

A. AOKI, ISHIDA & ASSOCIATES

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US Serial No.	10/088476
Our ref:	TYT-J759-US

Document Number	Publication Date	Brief Explanation or Page(s) & Line(s) of Related Part(s)
Japanese Unexamined Patent Publication (Kokai) No. 5-1613	Jan. 8, '93	A technique to change the condition of driving of an engine to prevent overheating.
Japanese Unexamined Patent Publication (Kokai) No. 6-159037	Jun. 7, '94	In paragraph 0012, a particulate filter is disclosed, which carries active-oxygen-emitting-agent comprising metal having high ionization tendency.

A. AOKI, ISHIDA & ASSOCIATES

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Form PTO-1449 (REV. 8-83)	US Dept. of Commerce PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. 112340	APPLICATION NO. 10/088,476
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT(S) Shinya HIROTA et al.	
		FILING DATE March 20, 2002	GROUP 3748

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	1	JP-U-1-174510 (Abstract)	07-11-89	Japan		
	2	JP-A-5-1613 (Abstract & Translation)	01-08-93	Japan		
	3	JP-A-60-206925 (Abstract)	10-18-85	Japan		
	4	JP-U-60-45815 (Abstract)	03-12-85	Japan		
	5	JP-A-59-20510 (Abstract)	02-02-84	Japan		
	6	JP-A-58-222907 (Abstract)	12-24-83	Japan		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER	DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Date: March 22, 2004